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₂ Tro	wbridg	e Dam TCRA	NT / INPUT FORM - master conso			
	M NO.	REVIEWER	REFERENCE TO GEI SUBMITTAL (i.e., Section X.X, Page XX)	COMMENT (+ reference(s) to support)	SUGGESTION / RECOMMENDATION	GEI Response to Comments (date)
5.	1	DC	Abbreviations and Acronyms	Add "START" to the list of acronyms	Superfund Technical Assessment and Response Team	START added to acronym list. (6/17/20)
6	2	PR	Table of Contents, p.3 & Section 9.18, p. 34, Section 5.1.3, p. 10,	need to sweep document for consistency on workplan nomenclature	Rename 'Dust Control and Monitoring Plan' to 'Field Monitoring Plan'	Dust Control and Monitoring Plan changed to Field Monitoring Plan throughout Removal Work Plan. (6/17/20)
7	3	DC	Sec 1.1, first sentence	Add statement that Work Plan is for Time-Critical Removal Action for Area 4 of OU 5	"this Work Plan for a Time-Critical Removal Action (TCRA) for Area 4 of Operable Unit 5 (OUS)"	First sentence of Section 1.1 was changed to incorporate suggested language. (6/17/20)
8	4	Mills	Section 1.2, p. 1	says this document will be revised as designs If we know what workplans and what schedule is being followed it would help to add some information here on when/how the workplan will be revised. Is it a living document?	If this is a living document maybe no changes need to be made here but if there is a schedule for revisions and the process is already understood it wouldn't hurt to say so here.	Comment noted. However, a set revision schedule/process has not been established for the Removal Work Plan. (6/17/20)
	5	DC	Sec 1.2, 2nd sentence	Area 4 TCRA is defined in the Action Memo as a 2.4-mile stretch of the Kalamazoo River between Mile Post 47.25 and the Trowbridge Dam (Subareas C through G)	Revise sentence to reflect the TCRA boundaries	Section 1.2 changed to inidicate Area 4 TCRA is limited to Subareas C through G. (6/17/20)
1	-	DC	Sec 1.2, 3rd sentnece	Suggest changing the word "remedial" to "removal" to reduce confusion regarding activities in		Comment noted. However, removal does not encompass bank stabilization which is also part of the TCRA
10				TCRA vs Area 2 and 3 remedial actions		scope. (6/17/20)
12	8	Diana DC	Section 1.4 Sec 1.4 Project Organization	DNR is referenced in the figure 4 flow chart and should be included in this list. Paul - just for your consideration - do you want START shown on Org Chart as Technical support Team to EPA OSC?	Add DNR to text.	DNR added to Section 1.4. (6/17/20) No change to Figure 4. START roles and relationship to EPA are discussed in following sections of the Removal Work Plan (6/17/20).
	9	Diana	2.1	References EGLE as the property owner. I believe it should be DNR.	Correct if needed	Section 2.1 changed to indicate MDNR manages Trowbridge Dam for the people of the State of Michigan. (6/17/20)
13	10	Mills	2.1, page 3	gifted to the State of Michigan. Owned by EGLE. This isn't correct. It was gifted to the State of Michigan and is now managed for the people of the State of Michigan by the Michigan DNR as	correct to reflect ownership = State of Michigan/managed by MIDNR for the	Section 2.1 changed to indicate MDNR manages Trowbridge Dam for the people of the State of Michigan.
14		man 2	a.a., page 3	part of the Allegan	people of the State	(6/17/20)
15	11	Mills	2.1, page 3	dam as it existed today when this was written it did not exist in this form	correct to say the dam today consists of a left earthen embaniment, spillway, and right auxiliary spillway. Could mention that in the 80° 2019 it consisted of left embaniment, spillway, and right powerhouse foundation/substructure. Some of this is subferested in later paragraph.	No changes. General dam construction/demolition timeline is provided with references to additional reports for further details. (6/11/20)
16.	12	PR	Section 2.1, p.3 & 5, Section 4, p.8	prior to PDI results, we don't know just yet where we will be removing what from yet	at this point, include all sub-areas as potential areas for both sediment and banksoil removal	Comment noted. However, based on conversations between GEI and EPA, sediment removal will still be limited to E, F, and G, and benkelof removal to C, D, and E in accordance with Area 4 TCMA Action Memo. (6/18/20)
17	13	DC	Sec 2.1 Location and Current Site Description, first paragraph, last sentence	There are a limited number of stream tubes identified in Areas C and D that contain a SWAC>1 PPM. Figure 4 in Action Memo refers to addinct removal in subarres S, P, and G. Sijould the stream tubes identified in subarres C an D be included?		Comment noted. However, based on conversations between GEI and EPA, sediment removal will Still be Instead to E, F, and E, and benksoll removal to C, D, and E in accordance with Ares 4 TCMA Action Memo. (6/18/20)
	14	EGLE	2.1 Location and Current Site Description, p. 3	The Action Memorandum specifies that the scope of work is limited to sediment removal in labeleres E, F, and C and bank sold memoral in Solateres C, 0, and E. Page of the Action Memorandum datase. The CTAV will include, but may not be limited to the following tasks: 1) bredging and/or excusation of FCC contaminated in actions sediments and invalenta/Ripologian assist with involved EC concentrations (see relaxed excussion are amps in Rigner 18 4 to meet Centruly standards below: Figure 4 of the Action Memorandum states, "Reverbank banks oil removal is satisficated in Solateres C, O and E."	in order to achieve the tasks and removal targets of the Action Memo, work may need to be performed outside of a adjacent to Subaress described in the sect. This section just all adjacents described in the sect. This section just all deprinded sectional placed the reviewing section of the CRI section just an experiment of the results of the PDI sampling in order to meet the Tasks and Clean-up Standards described in the Action Memo.	Comment noted. However, based on convariations between GE and DPA, sediment removal will still be limited to E, F, and G, and banksoil removal to C, D, and E in accordance with Area 4 TGRA Action Memo. (6/18/20)
18	15	EGLE	2.1 Location and Current Site Description, p.	The text reads as follows: "The Michigan Department of Environment, Great Lakes, and Energy is the owner of the Dam and some of the surrounding property."	Revise the text to correctly state that the owner of the Dam and some of the surrounding property is the Michigan Department of Natural Resources.	Section 2.1 changed to indicate MDNR manages Trowbridge Dam for the people of the State of Michigan. (6/17/20)
19	16	EGLE	2.1 Location and Current Site Description, p.	The text reads as follows: "There are several small privately-owned parcels located within the Area 4 boundaries, however no residences are situated within its limits."	The test boads include additional discussion on this topic based on the control of the control o	Added a reference to Section 2.1 to consult Amec's 2018 501 report for further details regarding human health risks. (779/20)
21	17	DC	Sec 2.1 - 4th paragraph page 4	Schnable Brook flows into the Kalamazoo River at approximately RM 46.6. not 46.15	correct	Uodated RM 46.15 to RM 46.6. (6/17/20)
22	18	Mills	2.1, page 4	MONR-owned	MDIR managed, State-evend, Important to have the distinctions correct here. The property is owned by the State, meaning the people of the State of Michigan, and managed in trust by the MDIR as part of the Allegan State Game Area. As such, the State (EGLE, MDIR, etc) represent the people of the State of Michigan	Section 2.1 changed to indicate MONR as manager rather than owner of Area 4 recreational land. (6/17/20)
23	19	Mills	2.1, page 4	recreational land comment	correct in that theproperty is primarily recreational but, as with other landowners along the river, the State wishes to avoid future restrictions on landuse to provide the greatest ficiolatily to the owners (people of the State) in future land use decisions. Future uses will likely include developed necreation, and potentially the State may decide to divest of the property in the future for private ownership/development where possible.	Sentence added to Section 2.1 stating that alternative land uses for MONR managed land may be evaluated following completion of the Area 4 TCRA (e/17/20)
24	20	DC	Sec 2.1, last sentence - page 5	The statement "Earth of these subarress will be addressed as outlined in the Area 4 Action Memorandum" should be revised to reflect that the Area 4 TCRA boundaries outlined in the Action Memo only address subarreas C through G	Revise sentence to reflect the TCRA boundaries	Final sentence of Section 2.1 changed to indicate TCRA work will only be conducted in Subareas C through G. (6/17/20)
25	21	Mills	2.1, page 5	subarea description, no mention of needing to do work downstream of Trowbridge Dam to create a naturally stable channel and to protect the 26th Street Bridge. This language doesn't soint out that work will be necessary in that licotation	add a note to document the need for work to occur in that area as needed to satisfy the TCRA	Language added to Section 2.1 that post Trowbridge Dam removal conditions will be evaluated between Trowbridge Dam and the 26th Street Bridge. Additionally, restoration of this area will be incorporated into the design. 17/20/20)
Δ	22		2.2, page 5 2.2 (page 5) bottom	were those samples taken from that many locations or were there x number of sediment samples from y locations (multiple samples per location). Infers to FPA 2019 Action Memo.	clarify how many locations are involved if that number differs from the total samples number should state EPA 2020 Action Memo	Section 2.2 updated to include number of oil and sediment cores from which samples were collected for Amec. Ski. (1777/20) Updated 2019 Action Memo to 2020 Action Memo. (6/17/20)
	24	Baker EGLE	2.2 (page 5) bottom 3. Project Approach, p.6	Teletrs 10F.A, 2013. Action. Mann The test reads as follows: "Dredging (mechanical and/or hydraulic) of PCB-contaminated in- stream sedements and excustion of riverbank/floodglain sols with PCB concentrations exceeding cleanup standards."	Should state (PA 2000 Action Memo Given the heterogenity in PCB concentrations present throughout much of the site, please discuss if dredge prisms will be backfilled following removal, including the potential use of residual control layers. ESE has concerns that "unfilled" dredge prisms may allow for contaminated endemats (either generated residuals or those materials just below the cut ling to be exposed and ended during subsequent high energy flow events.	Updated 2019 Action Memo to 2009 Action Memo, (6/17/20) Capping and backfilling will be considered as part of the design-based on anticipated post dam removal conditions. (7/16/20)
29	25	Mills	3, page 6	swac of .33	the target is to be .33 or below, correct? This should say that. We are not trying to land exactly on .33 but to be less than or equal to .33	Section 3 updated to clarify SWAC goal is less than or equal to 0.33 mg/kg total PCBs. (6/17/20)
	26	Mills	3, page 6	1ppm, 5ppm, is called out but it's unclear where 1ppm will be applied and where 5ppm will be applied	Discussions on this should happen sooner or later. The State has concerns about where these numbers are applied based on floodplain access for the river. MDNR should have a stake in decisions as they affect the long term	Applicability of the cleanup standards provided in the TCRA Action Memo will be determined in coordination with EPA based on anticipated post dam removal conditions. (7/16/20)
30	27	Mills	3, page 7	stable river channel	We have been using, incomputation with GIMPO, ADC programs, State, this verbage ensure the restoration of high-gradient river channel habitat with hartral design features and floodplain access. We have seen projects in the past that have ignored this approach have had long term stability issues (they were design to be stable but were never actually stable). "Stable" is an elusive	Comment noted. Natural channel design features will be incorporated into the final stable channel and restoration design as appropriate. These details will be finalised during the design process and provided in the design documents, (TSE).
31	28	DC	Sec 3.1	The statement "Therefore, 5.0 mg/kg will serve as the cleanup standard for these areas"	and complicated term! Issue should be further discussed to determine if approach is consistent with	Applicability of the cleanup standards provided in the TCRA Action Memo will be determined in coordination
32	29	EGLE	3.1 Cleanup Standards, p. 7	referring to sediments in Areas F and is not consistent with the Action Memo. Following water level lowering and dam removal, it is anticipated that protons of Subareas F and G will no longer be inundated, and former sediments will become of yoaks of Boodplain material under normal flow conditions. Therefore, S, Dinglik user as the cleaning braider of these areas in the proton of the conditions. Therefore, S and is were as the cleaning braider of these areas in. Fundation during above normal flows will need to be considered. Site standards for the	Section of Action memo- Orderly Transition to Remedial Response Discussion on the future inundation conditions and risk-based clear-up gois will be necessary frether locations as will a orbet locations that experience flooding during above-normal flow conditions since it is unclear if 5.0 mg/lg is protective clears up value for that scenario. Revise the document to state that 5.0 mg/lg is proposed for these areas and final clear-up values will be approved by FEA.	with EPA based on anticipated post dain removal conditions: (1/14/20) Applicability of the cleanup standards provided in the TCEA Action Mamo will be determined in coordination with EPA based on anticipated post dain removal conditions: (1/16/20)
33 34	30	NAT'	21 - 7	inundation frequency, time, and depth were developed to determine when the aquatic pathway may be complete and the application of sediment clean-up goals may be necessary.		
	31	Mils	3.1. p. 7	assac of 33 proposed desirup to 5gpm in areas exposed after dam removal. Also worth noting that flood events are much more common than models suggest. We have seen about 2.7 year floods per year and the acultary spillway it involvingly, which was set above the 2 year food, has had water flowing over those this year already, that are considered "moral flood." We should include a practice statement is to what it meant here. I would suggest we decide on a flood event to delineate between 1 dats. "Problemy" Jour event in my given the decide on a flood event to delineate between 1 dats. "Problemy" Jour event in my given the decide on a flood event to delineate between 1 dats. "Problemy 1 Jour event in my given."	see comment above This should be further delineated during the design. If floodplain soils are inundated long enough during the year then we should be more protective and consider them as estediment as fall and other aquatic organisms will be exposed during flooding.	Section 3.1 undistrict to startic 20006 coast is less than or count to 0.31 mm/s sotal PCISs. (\$6.72720) Applicability of the cleanup standards provided in the TCISA. Action Marco will be determined in coordination with IPA based on anticipated post dain removal conditions. (\$7.84,789)

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3 DOCUM	ENT NAME: DI	RAFT Removal Work Plan, version 04/30	/2020; RTC 07/20/2020		
ITEM NO	. REVIEWER	REFERENCE TO GEI SUBMITTAL (i.e., Section X.X, Page XX)	COMMENT (+ reference(s) to support)	SUGGESTION / RECOMMENDATION Keyise the document to trainly what theera is used to determine when	GEI Response to Comments (date)
32	EGLE	4. Pre-Design investigation, p. 8	Refining the horizontal and vertical extent of bank tods and near-bank sediments in Subseres C. D. and 4 with PES concentrations requil to or coordinations of the concentration of the coordination of the coordination with historical data is applicable to define the bank segments requiring removal to meet the poor-remodations SWAC standard. 2. Refining the horizontal and vertical dester of current in-stream sediments in concentration of the coordination of the c	"station" data will be used, and what data is considered "shapin," for soil, and instance," for soil, and the station of the anticomity for soil and the "shaping there is adequate evidence to remove it from consideration (it. as nettice action of basis evidence to the new and former coil sample function it. as not existence of the station of the sta	Language added to Section 4 stating that historical data are will be evaluated based on likely representativeness of current conditions. For sediment, historical data will be used primarily for compartion purposes as it may not be representative of current conditions. (7/30/26)
36				EGLE's non-PCB and biotoxicity and sampling from 2016 and 2018 should also be included in evaluations since those investigations did include some sample	
33			"Predesign investigation (PDI) data is also needed" This section includes objectives that will require the analysis of total PCB concentrations in soils	The Output should address the ongoing issue of systematic bias in the inter-lab variability in determination of total PCB concentrations and how this is being	
37	Williams	Section 4, p. 8 [also Section 5.4.3, p. 16]	and sediments. Inter-lab variability in results of these analyses have been noted in separate correspondence and investigations among parties.	addressed for the PDI data. (I haven't yet seen the QAPP, but wanted to be sure to note this issue at this time.)	Comment noted. This issue has been separately addressed in the QAPP. (7/7/20)
34	DC	Sec 4 Pre-Design Investigation, bullet 1	Discussions on PDI efforts thus far have not indicated that bank soil samples will be collected in subarea E. Will additional bank soil delineation efforts occure in subarea E?		No changes to Removal Work Plan. Limited edge transect sampling will be performed in Subarea E as detailed in the FSP. (6/18/20)
38			Verifying and delineating the exten of sediments or bank soils hot spots should apply to all		11 1
35 39	DC	Sec 4 Pre-Design Investigation, bullet 3	subareas in the TCRA footprint (may detect sediment and/or soils >50 ppm during PDI which would require delineation) the cleanup standards (1.0 mg/kg for in-stream & 5.0 mg/kg for bank soils) need to be		Section 4 bullet 3 objective expanded to included all subareas within the TCRA boundary for hot spot delineation. (6/17/20)
36	PR	Section 4, p.8	referenced consistently fail sub-areas throughout the document. With the proposed cleanup standard of 5.0 mg/kg in Subareas F & G, if the design includes feeder stream conveyance to	add proposed cleanup standard of 5.0 mg/kg for sub-areas F & G. Consider the potential for a cleanup standard of 1.0 mg/kg if channels for feeders end	Applicability of the cleanup standards provided in the TCRA Action Memo will be determined in coordination
40		Section 4, p.o.	the river, those channels should be considered for removal to the 1.0 mg/kg standard if appropriate	up needing to be constructed to convey feeder stream flows to the main river channel	with EPA based on anticipated post dam removal conditions. (7/16/20)
41 37 42 38	PR Mills	Section 4. p.8 4, p. 9	appropriates. See suspessed text edits in attached .odf mark up SR89 is actually M-89	throughout the document minor editing update nomenclature to avoid confusion.	Text edits from PDF were incorporated throughout the Removal Work Plan. (7/9/20) SR89 bridge changed to M-89 bridge in Section 4. (6/17/20)
39	Mils	5.1.1, p. 10	site security	maybe it is addressed later but wanted to capture that we plan to allow access to the launch as much as possible in 2020, but planning to close the launch	Comment noted. Greater detail regarding the Trowbridge Staging Area and launch access is provided in the
43	-	** *		from 2021 to 2023.	Site Security Plan. (6/17/20)
40	Mills	5.1.3, p. 10	clearing, but considerations Clearing but considerations Glad to see that "Clearing of mature trees will be avoided when possible and in consultation."	clearing and grubbing should occur outside the but closure	Language added to Section 5.13 to include 1) consultation with USFVS for clearing and grubbing activities and impacts on site endangement threatened species and 2 coordination of clearing grubbing timing to minimize habitat distart barce. (6°13/20)
41	Williams	Section S.1.3, p. 10	with BPA. The definition of "matter tree" has implication for best management practices for indicate being feed in Actinguegeval and northern long evend but [ME]. Federal SSA. Threatened, For Indiana but, potential rocust trees are the trees analog range 35 inches DBH that have enfoldingly after a crack/practices. For MEJ, apposted in contress are the trees analog range 33 inches DBH that have enfoldingly balls, cracks, crackes, and/or cravites. [PMS species specific general project design publicies, 62 https://coc.hw.gov/jexs/focation/TRTQX-HEYRROLFERMANOVINVHU/documents/generated/ /7664.pdf)	EPA and GII have already begun discussions with USWNS to ensure compliance with the findingered Societa, Act and provide guidance about associated restrictions or other measures related to tree cutting if it is not possible to avoid charing of trees greater than or equal to 3" PMH (e.g. see https://www.fns.gov/htd/west/endingered/action?/fhma/pdf/8DRevised002 GS2018for/bathLEB_FHWA_FRA_NGOPTA.pdf)	Language added to Section 5.13 to include 1) consultation with USFWS for clearing and grubbing activities and impacts on site endangered/threatened species and 2) consideration of clearing/grubbing timing to minimize habited disturbance. (6/18/20)
42	Williams	Section 5.1.3, p. 10	Love the foresight on reuse of cleared and grubbed material! (Also the testing and potential reuse of sand from sandbags in section $5.1.6$ - nice.)		Comment noted. (6/17/20)
43	PR	Section 5.1.3, p.10	will need to incorporate any considerations arising from the ESA consult with USFWS	Consideration will be given to allowable time frames for tree clearing in consideration of the Indiana Bat, Northern Long-Eared bat and any other	Language added to Section 5.1.3 to include 1) consultation with USFWS for clearing and grubbing activities and impacts on site endangered/threatened species and 2) consideration of clearing/grubbing timing to minimize
44	DC	Sec 5.1.3 - Clearing and Grubbing	Add statement regarding tree removal in compliance with Indiana but regulations	endangered or threatened species in consultation with USFWS and MONR.	habitet disturbance. (4/18/20) Language added to Section 5.13 to include 1) consultation with UEVPX for clearing and grabbing activities and impacts on site endangered/threatened species and 2) consideration of clearing/grabbing timing to minimize habitet disturbance. (6/18/20)
45	PR	Section 5.1.4, p. 11	need to further discuss how access road/staging areas are going to be selected, pre-sampled, constructed, removed or left in place, cleared, surveyed in for future reference in articipated floodplain work.	Mention here that all staging areas/access roads will have pre- and post- construction sampling. Also, mention that these areas will be surveyed in along with any weetland delineation for future use by EGLE or others who will be working in the floodplain. Finally, mention that these areas will either be removed/restored or may be left in place after consultation with EPA and name.	Language added to Section 5.1.4 discussing documentation of access reads and staging areas including surveying, removal/restoration, and PCB sampling. (7/6/20)
46	Williams	Section 5.1.4, p. 11	The footprint of the staging areas and access roads should be documented, along with the condition/habitat types prior to use. This is will help planning for restoration and seed mixes		Statement added in Section 5.1.4 that existing conditions will be documented prior to access road and staging area construction to aid in site restoration. (6/17/20)
50		5.1.4 Access Road and Staging Area	during site cleanup and demobilization (Section 5.6). The text reads as follows: "Performing the Area 4 TCRA may require construction of multiple	Based on previous project experiences, EGLE requests that the as-constructed	Added statement to Section 5.1.4 that as-built extents of access roads and staging areas will be surveyed and
47 51	EGLE	Construction, p. 11	staging areas and access roads following clearing and grubbing (Fig. 8)."	locations and spatial extents of any access roads or staging areas be clearly and accurately recorded in project records.	documented. (6/17/20)
48	Williams	Section 5.1.6, p. 11	Bank restoration is described as being "at a stable angle of repose". I'm concerned that this objective for bank design will not provide for geomorphically stable banks over time.	Suggest changing "banks then restored to a stable angle of respose" to "banks then restored and stablized as per the approved design plans" or similar.	Section 5.1.6 changed to suggested language to leave more flexibility in bank restoration/stabilization design. (6/18/20)
49	DC	Section 5.1.6 Cofferdam Construction, last	The statement regarding the "Island" floodplains not being included in the TCRA footprint	for broader discussion regarding approach to islands - possibly remove	Comment noted. Issue to be discussed during design development process (7/16/20)
53		sentence	should be further discussed - the bank areas of the islands arguable are in the TCRA footprint	statement for now? are going to be of extreme importance. Suggest the team discusses how this	
50 54 51	Mills	5.1.6; p. 12 5.1.6 Cofferdam Construction, p. 12	bland Coffedents will also be evaluated as possible means of temporarily isolating the "slands" in Areas E and F1 to prevent redistribution of impacted material within Area E adments following dredging. The "labed" floodplains are not included in the Area A TCRA acopt of work, however, they present a design constraint that will be accounted for in the remedial design for Areas E, F, and G.	project will address the islands soon so that design criteria can be developed. The islands may need to be addressed as they are located in an area that will likely experience Treperant and sustained unstained rollowing dam removal, have high concentrations of FER had pose risk to recreation, angles and controllation of the control of the control of the control of the controllation of the control of the	Comment noted. Issue to be discussed during design development process (7/16/20) Comment noted. Issue to be discussed during design development process (7/16/20)
52	Mills	5.1.7, p. 12	fill material	fill can be a source of invasive plant species, fill should be monitored for noxious seed, topsoil used should be processed so that seed viability is	Statement added in 5.1.7 for monitoring of fill material for invasive species and processing of topsoil prior to on-Site use (6/18/20)
			Regarding the statement "It is not anticipated that backfill will be needed for instream dredged	minimized.	Capping and backfilling will be considered as part of the design based on anticipated post dam removal
53 57	DC	Section 5.1.7 Imported Fill	areas" - what about removal in area F and G - will those area be backfilled since they will be left as floodplain?		conditions. (7/16/20)
54	Williams	Section 5.1.7, p. 12	imported fill will be sampled and tested for priority pollutants before impacted, but fill can also bring in invasive species.	Consider adding that imported fill, especially topsoil, be as weed-free as practicable to prevent future problems with invasive species while trying to	Language added to Section 5.1.7 stating that fill material will be inspected for invasive species prior to bringing on site and while stockpiled on site. If an unacceptable level of invasives is observed, an alternate fill source
55	EGLE	5.1.7 imported Fill, p. 12	Any imported fill material will be sampled and tested for priority pollutants before importing to the site	establish native section in the restored areas. Although the self little be convert in a separate eliterable, which are process Although the self little be converted in the section area self-little processes. Although the self-little processes are self-little processes are self-little processes are processed as imported fill? Also, the material should be certified weet free, is possible, to zvoid issues with invasive species.	will be identified and/or corrective measures taken. (7/10/20) Language added to Section 5.1.7 stating that fill material will be impected for invasive species prior to bringing on site and while stockpiede on site. If an unacceptable level of invasives is observed, an alternate fill source will be identified and/or corrective measures taken. (7/10/20)
56	EGLE		R is not anticipated that backfill will be needed for instream dredged areas.	Has this been evaluated from a technical perspective and, if so, why was a cap not considered? If areas are dredged how will we ensure that are not re-contaminated (e.g. sloughing of adjacent areas, deposition following	Capping and backfilling will be considered as part of the design based on anticipated post dam removal conditions. (1716/20)
60		5.1.7 Imported Fill, p. 12		remediation, etc.)? Please provide clarification.	
57	EGLE	5.1.7 Imported Fill, p. 12 5.1.8 Contact Water Management and Treatment System, p. 12	Please note the Substantive Requirements Document (SRD) issued by EGLE's Water Resources Division (WRD) may contain parameters with effluent limits in addition to PCEs (e.g., PFAS).	remediation, etc.]? Please provide clarification. Please revise document to state that the effluent limits and parameters will be issued by WRD.	Section S.1.8 updated to indicate effluent criteria will be provided in SRD issued by EGLE WRD. (6/17/20)
60 57	EGLE	5.1.8 Contact Water Management and	Division (WRD) may contain parameters with effluent limits in addition to PCBs (e.g., PFAS).	Please revise document to state that the effluent limits and parameters will be	
57 51 58	EGLE PR	5.1.8 Contact Water Management and	Please note the Substantive Requirements Document (SRD) Issued by EGLE's Water Resources. Discision (WRD) may contain parameters with effluent limits in addition to RCBs (e.g., PRAS), consider mouse of treated water directly on site for dust control or other use (i.e., wheel wash, equip decon, etc)	Please revise document to state that the effluent limits and parameters will be	Section 5.1.8 updated to indicate effluent criteria will be provided in SRD issued by EGLE WRD. (6/17/20) Section 5.1.8 updated to indicate WT5 effluent meeting SRD criteria will be considered for on-site decontamination and dost control. (6/17/20).
61		5.1.8 Contact Water Management and Treatment System, p. 12	Division (WRD) may contain parameters with effluent limits in addition to PCBs (e.g., PFAS). consider reuse of treated water directly on site for dust control or other use (i.e., wheel wash,	Please revise document to state that the effluent limits and parameters will be	Section 5.1.8 updated to indicate WTS effluent meeting SRD criteria will be considered for on-site
61 58	PR	5.1.8 Contact Water Management and Treatment System, p. 12 Section 5.1.8, p. 12	Division (WRD) may contain parameters with effluent limits in addition to PCBs (e.g., PFAS). consider resuse of streated water directly on site for dust control or other use (i.e., wheel wash, equip decor, etc) In addition to off-rite water sources, WTs effluent, and other sources of water will be considered for washdown water if deemed appropriate by FFA. A detailed discussion on	Please revise document to state that the effluent limits and parameters will be stored by WHD. In general, WTS effluent re-use should be limited to on-Site activities under a testing and monitoring program that is approved by EFA and mise under a Substantive Requirements set from by the State. If alternate uses of water are being condend, those should be communicated to WMD so part of	Section 5.1.8 updated to indicate WTS effluent meeting SRD criteria will be considered for on-site decontamination and dust control. (6/17/70). Language added to Sections 5.1.8, 5.1.9, and 5.2.1 to state potential reuse options for WTS effluent and

Page 2 of 5

A	В	С	D	Ε	F	6
3 DOCU	MENT NAME: D	RAFT Removal Work Plan, version 04/30 REFERENCE TO GEI SUBMITTAL	0/2020; RTC 07/20/2020 COMMENT (+ reference(s) to support)	SUGGESTION / RECOMMENDATION	GEI Response to Comments (date)	
4	n.vieweK	(i.e., Section X.X, Page XX)	Clarify that the air monitoring discussed within this section pertains to site perimeter		and recognise to Commission (MSE)	
62 66	DC	Section 5.2.1 - Air Monitoring	Clarify that the air monitoring discussed within this section pertains to tite perimeter monitoring to insure protection of public health in surrounding reaso and in or hower health and safety monitoring. Also refer to Air Monitoring Plan for this task which will be developed by EPA/START.		Language added to Section 5.2.1 to clarify air monitoring refers to perimeter air monitoring and details will be provided in Air Monitoring Plan to be developed by START. (7/6/20)	
63 67	EGLE	5.2.1 Air Monitoring, p. 13-14	Section 5.2.1 states that "Access roads and work areas will be routinely sprayed with water to help miligate dust levels during dry conditions."	Please specify the source(s) of water that will be used for dust suppression.	Clarification added to Section 5.2.1 that off-site water sources and WTS effluent (with EPA approval) will be used for dust control, (8/17/20)	
64	EGLE	5.2.2 Turbidity Monitoring, p. 14	The text discusses turbidity monitoring.	Revise the text to discuss vertical placement of turbidity monitors within the water column, acceptable thresholds in Nephelometric Turbidity Units, and changes to the proposed monitoring if flow reversal is encountered.	Comment noted. However, these details will be developed further along in the design process (7/9/20)	
65	DC	General comment for Section 5.4	R would be beneficial for the Work Plan to have some general discussion of riverbank soil and instream sediment sequencing (a. upstream to downstream, how river sections will be briden up into work resers, city realising that many of the sequencing details may depend of data gathered during the PGI		Comment noted. However, as the comment states, these details are heavily dependent on results of the PDI and developments during the design process. At this time, specific sequencing details are limited. (779/20)	
66	Trumble	5.4 Sediment and Riverbank Soil Remediation	This section appears to indicate that channel and bank soils will be excavated or dredged to meet cleanup criteria and then backfilled.	Ensure that excavation/dredging and backfilling are in-line with section 5.4.5 Site Revegetation and Ecological Restoration, which include bioengineering	Comment noted. Channel/bank restoration sequencing and procedures will be finalized during the design and will include bioengineering and natural channel design features. (7/6/20)	
70 67	EGLE	5.4 Sediment and Riverbank Soil Remediation, p. 15	In some cases, bank excavation may extend beyond what is needed to meet cleanup standards.	and NCD orinciples. Revise the text to identify examples of cases where bank excavation is expected to extend beyond what is needed to meet cleanup standards.	No changes to text. Following sentence indicates bank excavation may be extended to meet river restoration targets or to install toewood. (7/7/20)	
68.	EGLE	5.4 Sediment and Riverbank Soil Remediation, p. 15	If feasible, clean sediment (i.e., sediment with PCB concentrations s.t. D mg/kg) may be suggregated for future resure as restoration bacdfill	Sediment (or soil) proposed for re-use should be held to the same standards as clean fill that is brought on Site. In general, care should be talle to not accerbate any one for contemisation issues. Non-PCB sampling at the elte above that other available of the same present in metal to the same present in	Criteria for reuse material will be developed as part of the design and in consultation with the appropriate regulatory agencies. (7/16/20)	
69	EGLE	S.4.1 Riverbank Soil Excavation, p. 15 (also S.4.5.1 Bank Restoration Techniques)	This could be done either to meet river restoration targets (such as bankfull width, floodplain inundation, long-form bank stability), or to install toewood.	Piesse add stable channel to the list of restoration targets. Furthermore, EGE notes that by incorporating all applicable elements of natural channel design (Including avoidance of rip-rap use), a stable channel providing additional ecological benefits and riparsan areas can typically be achieved.	Comment noted. Natural channel design features will be incorporated into the final stable channel and extension design as appropriate. These desits will be limited admit the design process and provided in the design documents. (17/16/20)	
70	Mills	5.4.1	reuse onsite	consult with EPA and EGLE regarding appropriate reuse of onsite material	Criteria for reuse material will be developed as part of the design and in consultation with the appropriate resultatory asencies. (7/16/20)	
71	PR	Section 5.4.1, p. 15	Need to discuss reuse of of excavated material further. The standard for reuse in Area 3 was < 1 ppm.		Criteria for reuse material will be developed as part of the design and in consultation with the appropriate regulatory agencies. (7/16/20)	
72	DC	Section 5.4.1 Riverbank Soil Excavation	Need a descripption added to discuss how GEI will insure that a 10-foot buffer zone is maintained along the restored river banks that does not contain any soil exceeding 1 mg/hg	During Area 3 TCRA, Contractor insured that any soils used for bank restoration construction did not contain PCBs >1 mg/lig for buffer zone	Language added to 5.4.1 discussing PCB criteria for backfill and restoration material used within and outside 10 foot buffer (s/18/20)	
73	Mills	5.4.2, p. 15	resue of sediments	there are no "clean" sediments on site. Sediments and soils should be considered to be above or below cleanup criteria for PCBs. Other contaminants, known and unknown, existithat may prevent beneficial reuse. MDNR will not permit beneficial reuse of paper waste in any form.	Criteria for reuse material will be developed as part of the design and in consultation with the appropriate regulatory agencies. (7/16/20)	
74	PR	Section 5.4.2, p. 16	need to sweep document for consistency on subareas/clean-up standard references	the cleanup level for areas F & G is proposed is at 5.0 mg/kg	Section 5.4.2 updated to clarify a proposed 5.0 mg/kg cleanup goal for Subareas F & G. The remainder of the document is consistent with this eoal. (7/9/20)	
75	Williams	Section 5.4.2, p. 16	if mechanical dredging is needed, an environmental clambell could significantly reduce re- suspension and produce cuts that are nextingular prisms sather than a scalinged scoops in areas that are amenable to this type of dredging (i.e., softer sediments without too much large debris).	Consider specifying options for mechnical dredging with priority given to a gasketed environmental clambell where feasible.	Language added to Section 5.4.2 stating that selecting diredging methods that minimize sediment resuspension and burbolity will be prioritized. Specific means and methods will be determined later in the design process. (7/6/20)	
76 80	DC	Section 5.4.2 Dredging	What about limited stream tubes exceeding 1 ppm in subareas C and D?		Sediment removal in C and O will not be part of Area 4 TCRASON based on Area 4 Action Memo and recent discussions between GBI and EPA. (6/17/26)	
77	DC	Section 5.4.2 Dredging	The description in this section is inconsistent with language in Section 3.1 regarding cleanup standards. Is there consideration for dredging a pilot channel in subarea E priopr to dam removal? If so, add some discussion for consideration.	Consider revising language to make consistent with Section 3.1.	Language updated in Section S.4.2 to clarify 1.0 mg/kg for Subarea E and S.0 mg/kg for Subareas F & G. (7/7/20)	
78	Mills	5.4.3, p. 16 5.4.4, p. 17	confirmation sampling backfilling with < 1 pcb, sand	is there a plan for splits? Just wondering if that should be mentioned here? see comments above about beneficial reuse. EGLE may require more extensive testing to meet State standards for beneficial reuse as contaminants, both known and unknown, exist. Sand may not be appropriate	Splits will be discussed in the Post Removal Confirmatory Sampling Plan. (7/6/20) Criteria for reuse material will be developed as part of the design and in consultation with the appropriate	
83	Baker	5.4.4 (page 17), Backfilling	It's stated that excavated / dredged onsite material may be used for backfilling if it has less	for backfill, depending on application and area, because it doesn't resist erosive forces well. I'm guessing sand would be used primarily well below final areate? Is this stringent enough to achieve the stated SWAC of 0.33 mg/kg for the area? Consider whether the limit for reuse of onsite material should be lower	regulatory agencies. (7/16/20) Criteria for reuse material will be developed as part of the design and in consultation with the appropriate	
84 81	Williams	5.4.4 (July 2.1), e.e. Liming Section 5.4.5.1, p. 17	than 1 mg/kg PCBL. What returns and stabilization will emphasize the use of biologiseering techniques and natural characterization and stabilization will emphasize the use of biologise control bank angle and soil pipe, immutation between placempin, and the velocities and others stresses the bank will experience over all flow regimes. These interestinates, when combined with the statement is section 5.1.6 about restoring banks at a stable angle of regime, rise occurrent for metal or the blass bit of exception of the stability of the stable angle of regime, rise occurrent for metal or the foliation of the stable regimes of the stab	the continue whether the many five preference of the majority of the continue of the majority preference of the majority of th	regulatory agencies. (7/16/20) Comment noted. Natural channel design features will be incorporated into the final stable channel and restoration design as appropriate. These details will be finalized during the design process and provided in the design documents. (7/16/20)	
82	EGLE	Section 5.4.5.1 Bank Restoration Techniques, p. 17	Task returnation and stabilization will emphasize the use of boergenering techniques and natural channel design—the statul techniques popied will be based on final bank single and sold pop, numbration frequency, and the velocities and shear stresses the bank will experience and rifton regimes. The mechanisments, which combined with the statement is descipe. 1.5 in the combined of the statement of the statem	If possible at this point, EGLE requests that bank pull-back, position, and slope design objectives include consistency with espected final remody and natural shared filloopsian connectivity wherear possible.	design documents. (7/16/20)	
83	Mills	5.4.5.1, p. 17	bank restoration techniques	recognizing and appreciation the focus on bioengineering and natural channel	Comment noted. Natural channel design features will be incorporated into the final stable channel and restoration design as appropriate. These details will be finalized during the design process and provided in the	
84	Mills	5.4.5.1, p. 17	the actual techniques applied I am concerned that this paragraph essentially reverses the previous paragraph in that it appears that an incised channel with little floodplain access is the expected outcome of the dam removal, then goes on to state that "goedenhirol approaches" will be utilized as poposed to or in supplement to bioenginering and stability.	design. the river corridor can be developed here that provides for the appropriate cross section and bankfull width/depth as non-impacted reference sections of the River as well as appropriate floodplain access to achieve stability.	design documents. 17/16/20) Comment noted. Natural channel design features will be incorporated into the final stable channel and	
85	Mills	5.4.5.1, p. 17	toe stone, trying to understand about toe stone at the toe of the bank, then goes on to discuss stone extending up to bankfull elevation. That seems like full bank riprap as opposed to stone	provide some clarification as to the differences between toe stone and riprap	Reference to toe stone up to bankfull elevation removed from Section 5.4.5.1. (7/16/20)	
89			at the toe Consider development of a 'Restoration Plan' which specifies bank treatments to be used and	as listed later on page 19.		
86	PR	Section 5.4.5.1, p. 17	were outlined in individual Tech Memos.		Details of restoration will be included in the design documents. (7/10/20)	
87	PR	Section 5.4.5.1, p. 17	wer may wish to consider an alternative design approach(es) allowing for floodplain interconnectivity and/or low flow benching to allow for energy dispersion.		Comment noted. Natural channel design features will be incorporated into the final stable channel and restoration design as appropriate. These details will be finalized during the design process and provided in the	
88	Williams	Section 5.4.5.1, p. 18	A completely biodegradable coir ECE (e.g., https://frolania.com/erosion-mail-biodegradable- cocomit-cr(f)) is an excellent appraish. The one note of caution I have at this point is to make sure the list actually be that used out in the field during the project. The been out to inspect projects that thought were going to use this type of material only to find a polymer-based recision control netting with Fisched wover (winded corners in every cited of the net) that was supposed to degrade over 1.2 years when exposed to smillight, but appeared to be likely to persist even longers a light shaded by expectation and flood deposits and was in the meantime.	Include inspection of ECB type as part of the M&AM in Section 5.4.6 and in IEPA's oversight plan/checklist.	design documents. (7/16/20) Language added to section 5.4.5 stating that installed materials will be checked as part of M&M. Further-details will be provided in the Post Removal Six Control Plan and will include the concern raised regarding CCB type. (7/7/20)	
92 89	Williams	Section 5.4.5.1, p. 18	strong enough to trap snakes and other wildlife. Native seed mix - will we get an opportunity to review and comment on the seed mix or mixes? in other projects there have been 2 to 4 seed mixes depending expected inundation frequencies.		Comment noted. Potential seed mixes will be provided for review as part of the design documents. (1/6/20)	

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3 DOCUM	NT NAME: DR	AFT Removal Work Plan, version 04/30	/2020; RTC 07/20/2020		
ITEM NO	REVIEWER	REFERENCE TO GEI SUBMITTAL (i.e., Section X.X, Page XX)	COMMENT (+ reference(s) to support)	SUGGESTION / RECOMMENDATION	GEI Response to Comments (date)
90	EGLE		The text discusses "Live stakes and joint planting".	EGLE suggests that GEI consult with MDNR on the possibility of utilizing locally sourced live stakes, as such materials may have increased survival as	Language added to Section 5.4.5.1 stating that MDNR will assist with identifying MDNR-managed properties
94	EGLE	5.4.5.1 Bank Nestoration recliniques, p. 18		compared to materials brought in from other areas.	for obtaining live stakes and toewood as needed. (6/18/20) Language added to Section 5.4.5.1 stating that MDNR will assist with identifying MDNR-managed properties
95 91 92	Mills	5.4.5.1, p.18 Section 5.4.5.1, p. 19	live stakes and toe wood. DNR will assist with identifying where these resources can be obtained from DNR-manased properties. Riju-rap. The NRDA Trustees assess the long-term habitat value of rip-rap banks differently than bioengineered banks and will want to know the length of bank ultimately treated this way.		Language a doce to section 4.4.5.1 stating that murks will assist win identifying Murks-manage properties for obtaining line states and thereous as needed, (6.18.70). Comment noted. Natural channel design features will be incorporated into the final stable channel and restoration design as appropriate. These details will be finalized during the design process and provided in the design documents. (7.16.70).
93	Gunderman	Section 5.4.5.1	The toe stone paragraph indicates that stone will be required at the toe of stabilized banks and this stone generally will extend from the stream bed to the bankfull elevation. Toe stone should not be the default bank treatment method. Soft armoring techniques (such as toe wood and native seeding with coir erosion control blankets or soil lifts) should be used wherever possible.	The paragraph should be revised to indicate particular site conditions (e.g., high water velocities or steep banks) that would lead to the use of toe stone in conjunction with soft armoring methods such as seeding with ECBs and joint planting.	Comment noted. Natural channel design features will be incorporated into the final stable channel and restoration design as appropriate. These details will be finalized during the design process and provided in the design documents. (7/16/20)
97	EGLE	5.4.5.1 Bank Restoration Techniques, p. 19	native seeding with coir erosion control plankets or soil litts; should be used wherever possible. The text discusses potential uses of rip-rap.	The NRDA Trustees assess the long-term habitat value of rip-rap banks differently than bioengineered banks and will want to know the length of bank ultimately treated this way. The NRDA Trustees request that they be kept	Comment noted. Natural channel design features will be incorporated into the final stable channel and restoration design as appropriate. These details will be finalized during the design process and provided in the design documents. (7)16/20)
95	Mills	5.4.5.2, p. 19	invasive species control	informed of this aroiset component. keep on the radar that invasive species are brought in on equipment and especially in soil imported to the site. PREVENTION is the best way to reduce invasive species issues.	Languaged added to Section 5.1.9 for equipment decontamination to prevent spread of PCB impacts and invasive species. [7/10/20]
99	DC	Section 5.4.6 Maintenance and Monitoring	Consider adding a timeline for routine inspections (suggest Monthly inspections or after significant flood events) during construction. Also need a statement added that discusses how routine inspections will be documented (i.e. chelistit, report) and a tracking system that will		Maintenance and monitoring timelines and periods will be determined as part of the design and will be further discussed in the Post-Removal Site Control Plan. (7/16/20)
100 97	Mills	5.4.6, p. 19	insure that identified issues are addressed. regular inspections of completed bank removal areas Imported material and site waste may be disposed as non-hazardous waste when needed;	what is "regular"? Weekly? Monthly?	Maintenance and monitoring timelines and periods will be determined as part of the design and will be further discussed in the Post-Removal Ste Control Plan (7/16/20) Criteria for reuse material will be developed as part of the design and in consultation with the appropriate
98	EGLE	20	imported inaternal and sixe wasterinary or unposed as non-nazarous waste when needed, however, site-wide reuse and recycling will be implemented to minimize landfill disposal.	See earlier comment re: re-use of material (Comment #11)	Circula ion reuse maceriar will de developée às part of the deligit affilia in curroussaudin with the appropriate regulatory a geneties. (7/16/20)
99	DC	Section 5.5 Waste Management and Disposal	Paragraph discusses how TSCA waste will be segregated (direct loaded into roll-offs) for banks soils, but does not discuss how TSCA waste will be handled and segregated for dredged sediment.	Add a clarifying statement	Language added to Section 5.5 charfying that hydraulically dredged TSCA sediment will be pumped to TSCA specific geotubes for dewatering rather than direct loading. (7/6/20)
100	PR	Section 5.6, p.20 Section 5.7 Post-Remediation Monitoring	I want to incorporate any considerations that arise from the stakeholder group working on future use planing for the 26th Street staging area. If accommodations can be made as we restore to facilitate construction of their final design, especially if they involve cost savings for us. that would be accorrelated. Consider adding a statement that describes how quarterly inspections will be documented (i.e.	Grading and restoration activities will be coordinated with any restoration plans developed by a local stakeholder group focused on future use of the staging area(s).	Language added to Section 5.6 stating that local stakeholder concerns will be considered for Trowbridge Dam staging area demobilization and restoration. (7/6/20) Statement added to Section 5.7 that further details regarding inspection documentation and tracking will be
105	DC	and Maintenance	cheklist, report) and a tracking system that will insure that identified issues are addressed.		provided in the Post Removal Site Control Plan. (7/8/20)
102	Baker	5.7 (page 20), post remediation monitoring	Since the TCRA work is anticipated to take 3 years, will post construction monitoring begin at different points in time depending on the sequencing of removal, stabilization, and revegetation work?	State whether post removal monitoring will begin once construction is complete in any given sub-area, and will continue until 1 year after completion of all TCRA actions in all areas (C,D,E,F,G).	Maintenance and monitoring timelines and periods will be determined as part of the design and will be further discussed in the Post-Removal Site Control Plan. (7/16/20)
103	PR	Section 5.7, p. 20	need to discuss this time frame. I am suggesting 36 months based on the experience in Area 3 and the anticipated field presence of work crews engaged in Areas 2 and/or 3 to conduct repairs. We can punt this decision into the PRSCP If we can't work it out here.	strike the 12 month reference	Maintenance and monitoring timelines and periods will be determined as part of the design and will be further discussed in the Post-Removal Site Control Plan. (7/16/20)
104	PR	Section 5.7, p. 20	Consider incorporating the Survey 123 form developed for Area 3 by Dan Capone for these		Statement added to Section 5.7 that further details regarding inspection documentation and tracking will be
108	Wescott	5.7 Post Remediation Monitoring and Mainatenance	Inspections. Plant restoration may take more than 1 year to meet project goals, and may digress after the first year.	Increase post remediation monitoring to 3 years as one year may not be sufficent to evaluate planting success. Years 2 and 3 could be at a reduced	provided in the Post Removal Site Control Plan. (7/8/20) Maintenance and monitoring timelines and periods will be determined as part of the design and will be further discussed in the Post-Removal Site Control Plan. (7/16/20)
106	EGLE	5.7 Post-Remediation Monitoring and Maintenance, p.20	After Area 4 TCRA activities are completed, post-remediation maintenance and monitoring will continue for a period of 12 months, as was done in Area 3 TCRA. Impections of the site will be performed once per quarter and after a significant flood/storm event to monitor the success of the strembhank stabilization and restoration.	level of effort from Year 1. The post-remediation monitoring and maintenance period has not yet been determined and EGLE looks forward to more discussion on that topic. However, EGLE believes a one year (12 month) monitoring period may not be adequate.	Maintenance and monitoring timelines and periods will be determined as part of the design and will be further discussed in the Post-Removal Site Control Plan. (7)16/20)
107	Mills	5.7, p. 20	12 months	in a dynamic system, and through the Area 3 TCRA experience, it is clear that 12 months is not sufficient for monitoring and mariemance. If flow regimes allow, without just just, cet, then failures will be delayed beyond 12 months and then who will be responsible for repairing them? This item should be discussed in depth-berie EPA approxes a fall M&M princi CARea 1 TCRAs were 3 year M&M. If all goes a planned, NCR/GEI/contractors will be still poperating in the area for some time following the completion of the TCRA.	Maintenance and monitoring timelines and periods will be determined as part of the design and will be further discussed in the Post-Riemoval Site Control Plan. (7/16/20)
108	Mills	5.7, p. 20	monitoring inspections by GEI/EPA/Start. Please include State in this as the	include State (DNR/EGLE)	Updated Section 5.7 to include DNR and EGLE for monitoring. (6/17/20)
			landowner/manager is EPA going to integrate corrective actions into the ROD for another company to execute? When is the ROD going to be complete? I'm guessing there will be a multi-year gap between		
109	Mills	5.7, p. 20	M&M for the TCRA and the execution of the ROD where nobody will be responsible for M&M which is a risk for bank failure, loss of clean buffers, and so many more issues as we have seen	we should discuss this with NCR/GEI/EPA/State	Comment noted. Area 4 TCRA M&M timeframe will be established in consultation with EPA. (7/10/20)
			in the Area 1 TCRA.		
110	EGLE	5.7 Post-Remediation Monitoring and Maintenance, p.21	The text discusses physical monitoring following remediation.	The discussion in this section is limited to physical inspection. Clarify if post- remediation monitoring will include chemical analyses of newly deposited sediment or other media.	Updated language in Section 5.7 to clarify MBM refers to physical site conditions. (7/7/20)
110	EGLE Williams		The text discusses physical monitoring following remediation. The water control shorts of design is discussed as being based on "normal and flood by designation," as I get want for remaind folias of the horizone rain based that six over the area during the Painwell dam removal project and nearly crussed a catastrophic failure. Hydrographs from the past 100 years are less predictive of future ranges than they likely used to be!	remediation monitoring will include chemical analyses of newly deposited	Updated language in Section 5.7 to clarify M&M refers to physical site conditions, (7/720) The importance of this topic for the success of dam removal and safety during construction is understood. Statement added to Section 6.1 that the hydraulics and risks of version flood scenarios during all phases of dam removal will be evaluated as part of the design process. (7/8/20)
111	Williams	Maintenance, p.21 Section 6.1, p. 21 Section 6, p. 21	The water control structure design is described as being based on "normal and flood hydraulici", so I just user to remind folks of the hurricine rain band that six over the area during the Plannelle flore memoral project and early custed a catalogic failure. Hydrographs from the past 100 years are less predictive of future ranges than they likely used to be! 1 believe a Dam Remonal Plan needs to be developed per the CD Stiffs control grade tructures are conscribed designed with law for the floreign past and of the conscribed designed with a flow for the floreign past that they flow that of the constraints of constraints designed with a flow flow floreign past and of the constraints designed with a flow flow floreign past that do not constraint designed with a flow flow floreign past that do not constraint designed with a flow flow floreign past that do not constraint designed with a flow floreign past that they flore that do not constraint designed with a flow floreign past that they flore the floreign past that they flore the floreign past than the floreign past that they flore the floreign past than the floreign past than they floreign past than they floreign past than they floreign past than the floreign past than they floreign past than they floreign past than they floreign past than they flore they floreign past than the floreign past than	remediation monitoring will include chemical analysis of newly deposited sediment or other media. Mention that a "Dam Removal Plan" will be developed as specified in the CO which will be the common that a "Dam Removal Plan" will be developed as specified in the CO which builties the commonweist described in Section 6. 10 Section 1. 10 Section	The importance of this topic for the success of dam removal and safety during construction is understood. Statement added to Section 6.1 that the hydraulics and risks of various flood scenarios during all phases of dam removal will be evaluated as part of the design process. (7/8/20) Reference to a Dam Removal Pfan was not identified in the CD Instead, dam removal activities will be detailed in the disease experience of the design and devalues. (7/8/20) Reference to a Dam Removal Pfan was not identified in the CD Instead, dam removal activities will be detailed in the disease of consistence will be detailed. Reference to a Dam Removal Pfan was not identified in the CD Instead, dam removal activities will be detailed.
111 111 116 113	Williams PR Williams	Maintenance, p.21	The water control shouture design is described as being based on "normal and flood by designed," on a jet want to remain falls of the herizone rain benefit that or one the area during the Palmeetil dam removal project and nearly caused a catastroptic failure. Phydrographs from the past 10 years are less predictions of their reages than they likely used to be! I believe a Dam Removal Palan needs to be developed por the CD If all the careful grade structures are connectioned except the top the property of the connections designed with a fairly level grade across the width of the river. Following the Lyon's dam removal project in the Careful Rey, belong to deserve the mind to the connections designed with a fairly level grade across the width of the river. Following the Lyon's dam removal project in the Careful Rey, belongs to deserved and the transferred musel habitors across much of the river, appearedly as a result of the low flow thaking chomed.	remediation monitoring will include chemical analyses of newly deposited sediment or other media. Mention that a 'Dam Removal Plan' will be developed as specified in the CO Presed discuss the design of the refit structure with Scott Sediment Sed	The importance of this topic for the success of dam removal and safety during construction is understood. Statement added to Section 6.1 that the hydraulics and risks of various flood scenarios during all phases of dam removal the evaluation of the design process. (FIRZO). Reference to 2 Dam Removal Pfan was not identified in the CCD instead, dam removal activities will be detailed in the disease insendications and drawines. (FIRZO). Riffles will be designed in consultation with appropriate regulatory agencies to be protective of aquatic species and habitats, and called her recreated passage. Additionally, higher from previous adapticable projects will be incorporated into the Avea 4 TEAA design. (FIRZO). Riffles will be designed in consultation. Will appropriate regulatory agencies to be protective of aquatic species.
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3 DOCU	DOCUMENT NAME: DRAFT Removal Work Plan, version 04/30/2020; RTC 07/20/2020						
ITEM	NO. REV	VIEWER	REFERENCE TO GEI SUBMITTAL (i.e., Section X.X, Page XX)	COMMENT (+ reference(s) to support)	SUGGESTION / RECOMMENDATION	GEI Response to Comments (date)	
135 13		PR	Section 9.10, p. 32	add boats for invasives, the DNR has a zebra mussel inspection protocol	see .pdf edits	Boats added to Section 9.10 for cleaning and decontamination procedures. (7/9/20)	
136 13.	2	PR	Section 9.14, p. 33	Consider reuse of effluent for dust control or other uses if amenable.		Reuse of WTS effluent is discussed in Sections 5.1.9 and 5.2.1. (6/17/20)	
137	3	PR	Section 9.18, p. 34	consider START's AMP in this section and work plan	add language: It will integrate EPA START's workplan for perimeter dust monitoring.	Section 9.18 updated to state that START's perimeter air monitoring plan will be integrated into the Field Monitoring Plan. (7/9/20)	
13	¢ [Diana	Appendix A	The approved mussel work plan included comments from DNR that there was no description of work proposed as related to the dam removal. GEI commented that this plan did not cover the removal of Trowleting blum, only dregaller activities. Nowever, this workplan does incorporate the dam removal and only references the approved mussel plan.	The area of direct impact and buffer below the dam should be included in the mussel survey and relocation strategy for dam removal work.	Musel salage efforts associated with Trowbridge Dam will be scoped once the design sequencing and timeline for the removal of Trowbridge Dam is better understood. Clarifying language was added to Section 7.3.1.	
13	5 Gun	inderman		Two state endangered mussel species could potentially be found in the TCRA area: black sandshell and threehorn warthpack. There are old records of both species near the mouth of the Kalamazoo Rher. Shells of black sandshell were found upstream of Area 4 in the Calhoun County portion of the Kalamazoo River in 2012.	For these species, the response under "Potential occurrence in impact area" should be changed to Yes.	Table 1 updated to indicate yes for potential occurrence of black sandshell and threehorn warryback in the TCRA area. (7/7/20)	
13	5 Tr	rumble		EGLE, Water Resources Division, encourages early coordination between appropriate EGLE staff, the design team, and other stakeholders as appropriate.	Early coordination will ensure that all parties' interests are represented and understood, hopefully making the design and review processes as efficient as possible.	Comment noted. No changes to TCRA Work Plan. (6/17/20)	
13	7 Tr	rumble		Wetlands are mentioned a few times throughout the document, and explicitly mentioned in the ARARs at the end of the document, however, there did not appear to be a plan to identify/delineate existing wetlands prior to any construction activities, or incorporation into the work data avoidance and minimization of wetland impacts.	Incorporate a wetland idendification/delineation plan into the work plan as part of the planning process. Incoporate the results of the delineation into subsequent work plans such that impacts are avoided/minimized.	Language added to Section 5.1.4 stating that wetlands will be surveyed and documented as part of existing conditions survey prior to staging area and access road construction. (7/10/20)	
13:	В	Mills	general	downstream of dam removal	it is expected that some work will need to take place downstream of the dam to accomplish stability of the channel and of 26th street bridge.	Language added to Section 2.1 that post Trowbridge Dam removal conditions will be evaluated between Trowbridge Dam and the 26th Street Bridge. Additionally, restoration of this area will be incorporated into the design. 17/20/20:	
13	9 1	EGLE	General Comment	General Comment	EGLE notes that it has concerns regarding the accuracy/representativeness of the recent SRI total PCE concentrations. Efforts to rectify these concerns and identify appropriate total PCE quantification protocol/jaboratories have been initiated. EGLE will happily engage with any stakeholders on this topic upon their request.	Comment noted, no changes to Removal Work Plan. Data quality is addressed in QAPP and FSP (6/17/20)	

200720, Comment from Namoual Work Plan consolidated 37(4)(2000)